UNIT I

INTRODUCTION TO RCM

Module 2

NAVAIR RCM Policy and Organization

NAVAIR RCM Policy and Organization

Module Preview:

Introduction

- **Introduction**
- **NAVAIR RCM Policy**
- **Organization and Responsibilities**
- **Review and Summary**

NAVAIR RCM Policy and Organization

Module Objective:

Introduction

This module will provide an overview of NAVAIR's RCM Policy and associated organizational responsibilities:

1. **Describe NAVAIR's RCM Program Policy**
2. **Identify the organizational responsibilities associated with NAVAIR's RCM Program**

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Requirement:

NAVAIR RCM Policy

RCM is required for:

- **All NAVAIR weapon systems (new acquisitions and in-service)**
- **All system modifications**
- **All In-service systems**
- **For all levels of maintenance**

Requirement is established by NAVAIRINST 4790.20B

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Use of RCM:

NAVAIR RCM Policy

RCM should be used to . . .

- **Determine initial failure management strategies including PM requirements**
- **Modify existing failure management strategies**

. . . For all NAVAIR aircraft, systems, and support equipment at all levels of maintenance

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Related References:

NAVAIR RCM Policy

NAVAIRINST 4790.20 series
Reliability-Centered Maintenance Program

NAVAIRINST 4790.33 series
Transition of Naval Aircraft to the Integrated Maintenance Concept

OPNAVINST 4790.2 series
The Naval Aviation Maintenance Program

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NAVAIR:

NAVAIR Org & Responsibilities

- **NAVAIR RCM Steering Committee:**
  - ✓ Provide technical assistance
  - ✓ Review RCM Program Plans
  - ✓ Assist AIR 3.1/3.2 in review and performance evaluations of activities responsible for performing and sustaining RCM analyses,
  - ✓ Coordinate with AIR 3.3 to develop, distribute, maintain, and update the IRCMS software.
  - ✓ Coordinate training and certification requirements
  - ✓ Maintain and disseminate knowledge of advancements in technologies and processes among other services, industry, and academia

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NAVAIR:

NAVAIR Org & Responsibilities

- **System Integrated Logistics Support (SILS) personnel (DOL/APML/PSTL/IPT Leads):**
  - ✓ **Approve RCM Program Plans**
  - ✓ **Ensure RCM programs are adequately addressed in budget submittals**
  - ✓ **Ensure RCM programs are integrated with cost-wise readiness strategies**
  - ✓ **Ensure identification and implementation of ILS requirements to sustain PM tasks**
  - ✓ **Ensure any RCM and Age Exploration (AE) efforts comply with NA 00-25-403.**

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NAVAIR:

NAVAIR Org & Responsibilities

- **FSTs and IPTs:**
  - ✓ Develop and execute RCM Program Plans
  - ✓ Ensure technical directives, documentation, and specifications are supported by RCM analysis
  - ✓ Establish Operational Service Period (OSP), Fixed Induction Date (FID), Period End Date (PED), Maximum Operating Time (MOT), Serviceable In-service Time (SIST) (or equivalent) recommendations using pertinent RCM data
  - ✓ Ensure coordination of logistics support requirements generated from modified PM tasks
  - ✓ Coordinate structural life limit changes with the Air Vehicle Department (AIR 4.3)

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NAVAIR:

NAVAIR Org & Responsibilities

- **NAVAIR Competency Managers:**
  - ✓ Ensure assigned RCM personnel are trained and certified
- **NAVAIR Logistics Policy, Process and Assessment Office (AIR 3.0E):**
  - ✓ Provide overall management for RCM Program policy and procedures.
- **Program Managers Air (PMAs):**
  - ✓ Plan and budget for RCM throughout the life cycle
  - ✓ Acquire RCM data for new equipment and updates/redesign/modifications to existing equipment
  - ✓ Ensure failure management strategies are supported by RCM, including commercial support

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NAVAIR:

NAVAIR Org & Responsibilities

- **Assistant Commander for Research and Engineering (AIR 4.0):**
  - ✓ **Ensure PM requirements for life-limited items are consistent with RCM**
  - ✓ **Ensure adequate Failure Modes and Effects Analysis (FMEA) and reliability, maintainability, structural fatigue, system safety, and other engineering data during the acquisition, sustainment, and modification processes**

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RCM Steering Committee

NAVAIR RCMSC Chairman	/ Jacksonville RCM Site Coordinator
IRCMS Lead, JSF Rep	/ Jacksonville
IISRP Rep	/ Jacksonville
NAVAIR HQ Support	/ Pax River
NAVAIR HQ Support	/ Pax River
NAVAIR HQ SME	/ Pax River
NAVAIR HQ Analysis Tools	/ Pax River
NAVAIR National R&M Lead for Product Sustainment	/ Cherry Point RCM Site Coordinator
NAVAIR Propulsion Rep	/ Cherry Point
NAVAIR Weapons Rep	/ Pt. Mugu RCM Site Coordinator
E-2/C-2 Rep	/ North Island RCM Site Coordinator
F-18 Rep	/ North Island
NAVAIR SE Rep	/ Lakehurst RCM Site Coordinator

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Certification:

NAVAIR Org & Responsibilities

The RCM certification program is intended ensure appropriately qualified individuals accomplish RCM efforts. The categories of certification are:

- **Level 1 - RCM Analyst certification indicates an individual has received a Naval Air Systems Command (NAVAIR) approved RCM Analyst course and is familiar with contents of NA-00-25-403**

- **Level 2 - RCM Analyst certification indicates an individual is capable of leading or conducting an analysis effort.**

- **Level 3 - RCM Analyst certification indicates an individual is well versed, trained, and experienced in RCM methods and applications. A Level 3 RCM Analyst may serve as an Implementation Manager for a RCM program or extensive analysis effort.**

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Review and Summary

Module Objective

- **Overview of NAVAIR's RCM Policy and associated organizational responsibilities**

Introduction

- **Learning Objectives**

NAVAIR RCM Policy

- **Policy**
- **References**

NAVAIR Organization & Responsibilities

End of Module

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Terminology and Concepts